**Best Available Copy** rm PTO-1449 INFORMATION DISCLOSURE CITAT? 1. ket Number (Optional) Sheet Page 1 of 5 SUW-007.01(22135-701) plication Number IN AN APPLICATION (Use several sheets if necessary) 9/428,990 Applicant H.R. Halperin et al. TA PADEMARY OF Filing Date Group Art Unit October 29, 1999 · 1 U.S. PATENT DOCUMENTS 3737 **EXAMINER** INITIAL **DOCUMENT NUMBER** DATE NAME FILING DATE CLASS SUBCLASS ROD IF APPROPRIATE 4,431,005 02/14/84 McCormick 05/07/81 128 AB 656 4,445,501 05/01/84 Bresler 05/07/81 AC 128 1.5 4,572,198 02/2586 Codrington 06/18/84 \_\_128\_ =653= 4,643,186 02/17/87 Rosen et al. 10/30/85 128 AE 303.1 4,672,972 06/16/87 Berke

	1	4,072,972	06/16/87	Berke			
$\prod$	Al	F 4,754,752	07/05/88		128	· 653	09/10/86
	AC			Ginsburg et al.	128	303.12	07/27/87
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	AN	4,766,381	08/23/88	Conturo et al.	324	309	08/12/87
-	AN	4,813,429	03/29/89	Eshel et al.	128	<del></del>	05/05/87
_		4,823,812	04/25/89	Eshel et al.		736	05/05/87
	AO	4,832,023	05/23/89	. Murphy-Chutorian et al.	128	804	
	AR	4,932,411	06/12/90		128	303E	06/03/87
	AS	4,960,106	10/02/90	Fritschy et al.	128	00 83-1 3	₹ T7 8/86
×	AT	5,019,075		Kubokawa	128	خــ ٥	04/27/88
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	AX	5,095,911	03/17/92	Pomeranz	128	662.6	05/18/90
	AY	. 5,099,208	03/24/92	Fitzpatrick et al.	324	7	10/05/89
		5,167,233	12/01/92	Eberle et al.	<del></del>	312	01/07/91
	BA	5,190,046	03/02/93	Shturman	128	662.06	
	ВВ	5,211,165	05/18/93		128	662.06	05/01/92
	ВС	5,217,010	06/08/93	Dumoulin et al.	128	653.1	09/03/91
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	ВІ		12/21/93	Dumoulin et al.	128	653.2	04/01/92
	BJ	5,307,808	05/03/94	Dumoulin et al.	128	653.2	04/01/92
	ВК	5,307,814	05/03/94	Kressel et al.	128	653.5	09/17/91
		5,318,025	06/07/94	Dumoulin et al.	128		04/01/92
	BL	5,323,778	06/28/94	Kandarpa et al.		653.200	
	вм	5,348,010	09/20/94		128	653.2	11/05/91
7	BN	5,352,979	10/04/94	Schnall et al.	128	653.2	09/24/92
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S.370.644   12/0694   Langberg   606   33   07/18/95		BQ	5,365,928	11/22/94	•	i i	653.5	11/25/92
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S,419,325   O5/30/95   Dumoulin et al.   128   653.2   O5/20/95		BV	5,413,104	05/09/95	Buijs et al.	128	653.5	11/09/93
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	DH	5,938,609	08/17/99	Pomeranz	600	439	08/01/9	7
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	Dì	5,964,705	10/12/99	Truwit et a).	600	423	08/22/9	7
	DL	6,004,269	12/21/99	Crowley et al.	600	439	06/07/9	5
	ОМ	6,011,995	01/04/00	Guglielmi et al.	607	99	12/29/9	7
	DN	6,026,316	02/15/00	Kucharczyk et al.	600	420	05/15/9	,
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		OTH	ER DOCUM	ENTS (Including Author, Title, Date, Peri	inent Pages Etc.)	<del></del> !	1	
RAO	DT	(1996)	lution Intravascul	ar MRI and MRS using a Catheter Receiver	Coil," Magnetic Res	sonance in Medicir	ne, 36:596-605	
		Bauernseind et al.; "Chron	nic Nonparoxysma	al Sinus Tachycardia in Otherwise Health Pe	rsons", Ann. Intern.	Med. 91 : 702-710	(1979)	
	טם						(,	
	DV	Chen et al.; "Right Atrial Electrophysiol. 10: 328-33	Focal Atrial Fibril 35 (1999)	lation: Electrophysiologic Characteristics an	d Radiofrequency Co	atheter Ablation,"	J. Cardiovasc.	
		Chorro et al.; "Transcathe	ter Ablation of the	Sinus Node in Dogs Using High -Frequency	Comment D			
	DW			The state of the s	y Current , European	1 Heart J. 11: 82-85	(1990)	
		Cox et al.; "Modification of Cardiovasc. Surg. 110: 48:	of the Maze Proces	dure for Atrial Flutter and Fribrillation, II: Su	rgical Technique of	the Maze II Proced	lure", J. Thorac	
	DX		(1,55)			(A) .	100	
	DY	Edelman et al.; "Magnetic	Resonance Imagin	ng," NEJM. 328: 708-716 (1993)		700	<del>1</del> C	
		Garrey W F "The Nation	of Sibelles	and the state of		MA!	Ĕ	
	EA	· · · · · · · · · · · · · · · · · · ·	e or riomilatory c	ontraction of the Heart : Its Relation to Tissu	es mass and Form,"	Am. J. Physical	3: 397=14 (19	14)
	ЕВ	Garwood et al.; "Magnetic Resonance in Medicine 9:	Resonance Imagi	ing with Adiabatic Using a Single Surface C	Coil for RF Transmiss	sion and Signal De	tection ," Mag	netic
	LB							
$\Box$	EC	Haines et al.; " Primary At	rial Fibrillatin Ab	lation (PAFA) In a Chronic Atrial Fibrillation	n model," Circulatio	n, 92(8): 1-265 (19	995)	
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1			·	Filing Date October 29, 1999	RADENBARK	Group Art Unit	
<b></b>	<del></del>		Haissaguerre et al.; "Spontaneous Ini			n the Pulmonary Veins" New	Engl I Med 130:
0 00	<b>S</b>	EF	659-666, (1998)		opio bosso originating i	in the removally verils , item	Lingi. J. Mcd. 337.
RA.	· ·						
<del></del>	<del></del>	-	Hoult et al.; "The Signal-to-Noise Ra	atio of the Nuclear Magnetic Resou	ance Experiment " I. M.	om Peron 24:71-85 (1076)	
	1	EG	Trouverail, The orginal-to-troise to	and of the indeled magnetic reson	lance Experiment, 3, 141	agii. 1030ii. , 24. 71-03 (1970)	
	1	[50]					
<b></b>	+-		Hoult; "Rotating Frame Zeugmatogra	inhy" Dhil Tens D. Con Lond I	200-543-547 (1000)	<del></del>	
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	1	l	Hsieh et al.; "Double Multielectrode l Pulmonary Veins," J. Cardiovasc. Ele		equency Catheter Abian	on of rocal Amai rionilation	Onginating From
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	- 1	<u> </u>	Jais et al; "Focal Source of Atrial Fi	onliation Treated by Discrete Ka	diorrequency Abiation",	Circulation 95: 5/2-5/6 (199/	"
l	-	티			•		1
		Н		B 110			
	- 1		Jolesz et al; "Interventional Magnetic	c Resonance Therapy," Seminars is	n Interventional Radiolog	gy , 12: 20-27 (1995).	
1	1	EK		•			
		Ш				<u> </u>	
	1		Kalman et al.; "Biophysical Character Intracardiac Echocardiography," Am.		ormation in Vivo: Dynan	nics of Catheter Tip-tissue Con	tract Evaluated by
	1	EL	materiale Echocardiography, Phili.	110213. 133(1). 0-10 (1337)	•		
	<u> </u>		· · · · · · · · · · · · · · · · · · ·				
	1.		Kalman et al; "Chystal TaChycardia-	• •	ias to the Terminalis Ider		cardiography,"
	1	ЕМ	Pacing and Clinical Electrophysiology	7, 18. 201 (1993)		Ω ω	
<u> </u>	<del> </del>					~	<u> </u>
1	1		Kalman et al.; "Radiofrequency Cathe 3070-3081 (1995)	ter Modification of Sinus Node Fu	nction Guided by Intraca	ardic Echocardiography," Effe	ulation 92@ <del>9)</del> ;
1	1 .	EN	3070-3081 (1993)		•		19 E
	<u> </u>				·	<u> </u>	<
1	ĺ		Kay et al.; "Radiofrequency Ablation	for Treatment of Primary Atrial Ta	schycardias," J. Am. Coll	l. Cardiol. 21: 901-909 (1993)	8 8
		EO		•		. 0	
				·			
			Lee et al.; "Catheter Modification of the Tachycardia," Circulation, 83: 827-83	he Atrioventricular Junction with I	Radiofrequency Energy for	or Control of Atrioventricular l	Nodal Reentrant
		EP	rachycardia, Circuladon, 83. 827-83	55 (1991)		•	
			·				
	•		Lesh et al.; "Radiofrequency Catheter	Ablation of Atrial Arrhythmias-Ro	esults and Mechanisms,"	circulation 89: 1074-1089 (19	94)
		EQ		•			,
			Mitchell et al.; "Morphologic and Phy Fibrillation," Pace, 20(Part II): 1100		tinuous Linear Atrial Ab	plations During Atrial Pacing a	nd Atrial
J. A		ER	riomation, Face, 20(Fart II): 1100	(1997)			
		Ш			<u></u>		
			Moe et al.; "Atrial Fibrillation as a Se	If-Sustaining Arrhythmia Independent	dent of Local Discharge,	' American Heart Journal, 58:	59-70 (1959)
		ES		·			
		Ш	·				
	)		Moc, G. K.; "On the Multiple Wavele	t Hypothesis of Atrial Fibrillation	," Arch. Int. Pharmacody	m. Ther. 140: 183-199 (11962)	
		ЕТ		,			
		<u> </u>					
			Natale et al.; "Catheter Ablation Appro	oach on the Right side only for Par	oxysmal Atrial Fibrillation	on Therapy", Circulation, 92(8	8): 1-266 (1995).
		ΕU		•			
	,		Ocali et al.; "Intravascular Magnetic I	Resonance Imaging Using a Loop	ess Catheter Antenna",	MRM, 37: 112-118 (1997)	
\		EV					
· '	Y	5 I					

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Form PTO-1449		ket Number (Optional)
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•		H.R. Halperin et al.
••		Filing Date October 29, 1999  Group Art Unit 3737
		October 29, 1999 /RADPA 3737  Prystowsky et al.: "Management of Patients with Atrial Fibrillation: A Statement for Healthcare Professionals from the committee on
BOD	-   E	Electrocardiography and Electrophysiology," American Heart Association, Circulation , 93: 1262-1277 (1966).
10		
	<del> </del> -	Silverman et al.; "Interactive MR-guided Biopsy in an Open configuration MR Imaging System," Radiology, 197: 175-181 (1995).
}	E	- Lactorogy, 1511 to (1555).
1		
	-	Swartz et al.; "A Catheter -based Curative Approach to Atrial Fibrillation in Humans," Circulation, 18(4, Part II): 1-335 (1994)
1	E	, , , , , , , , , , , , , , , , , , , ,
	$\dashv$	Tracy et al.; "Radiofrequency Catheter Ablation of Ectopic Atrial Tachycardia Using Paced Activation Sequence Mapping", J. Am. Coll. Cardi
1	. E	21:910-917 (1993)
-		· ·
		West et al.; "Minimal Mass Required for Induction of a Sustained Arrhythmia in Isolated Atrial Segments," Am. J. Physiol., 202: 232-236 (196
	F	
	T	Zimmerman et al.; "Artifacts and Hazards in NMR Imaging due to Metal Implants and Cardiac Pacemakers," Diagn. Imag. Clin. Med. 53: 53-56
. 1	F	(1984)
		Zipes, D., "Atrial Fibrillation: a Tachycardia-Induced Atrial Cardiomyophaty," Circulation 95: 562-564 (1997)
	/  F	
EXAMINER		DATE CONSIDERED
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U.S. PATENT DOCUMENTS								
Examiner	Cite .	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant			
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ma	FX	JP 09094238	04/08/1997	Katsuya, S		X abstr.	
	FY	WO 00/10456	03/02/2000	Gilboa, P.			
	FZ	WO 02/083016	10/24/2002				
-	GA	WO 00/25672	05/11/2000			•	
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Examiner Initials *	Cite No.1	Include name of the author (in CAPIT the item (book, magazine, journal, se	rial, symposium	title of the article (wh	page(s), volume-issue	T 2	
100p	GB	KARMARKAR, P.V., An Active MRI Intramyo (2003).	cardial Injection C	atheter, Proc. Intl. Soc.	Mag. Reson. Med., 11:311		
	GC	KUMAR, A., MR Imaging with a Biopsy Needle, Proc. Intl. Soc. Mag. Reson. Med. 9:2148 (2001).					
	GD	SUSIL, R.C., Multifunctional Interventional de Reson. Med., 47: 594-600 (2002).	evices for MRI: a c	ombined electrophysiolo	ogy/MRI catheter, Mag.		
	GE	QUICK, H.H., Endourethral MRI, Intl. Soc. M	ag. Reson, Med.,	1:142 (2000).			
7	GF	International Search Report, PCT Application	International Search Report, PCT Application No. PCT/US 03/17085, mailed September 29, 2003.				

Examiner Signature Multiple Considered Date Considered	8/29/07
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.usplo.gov">www.usplo.gov</a> or MPEP 901.04. Senter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English tanguage Translation is attached.

Translation is attached.
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SUW-007.03

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Filing Date

Application Number

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**U.S. PATENT DOCUMENTS EXAMINER** FILING DATE INITIAL DOCUMENT NUMBER DATE NAME **CLASS SUBCLASS** IF APPROPRIATE 6/23/98 151 5,769,800 Gelfand et al. 601 3/15/95 ΑB 6,129,670 10/10/2000 600 427 Burdette et al. 5/29/1998 AC 6,171,241 1/9/01 McVeigh et al. 600 410 6/11/98 ΑD 6,188,219 2/13/01 Reeder et al. 324 307 1/22/99 ΑE 6,263,229 7/17/01 Atalar et al. 600 423 11/13/98 АF 6,284,971 9/4/01 Atalar et al. 174 36 11/24/99 12/18/2001 424 9/18/1998 ΑG 6,332,089 Acker et al. 600 ΑН 6,390,996 5/21/02 601 41 11/9/98 Halperin et al. 600 ΑI 6,408,202 6/18/02 Lima et al. 423 11/3/99 4/15/03 600 423 4/14/00 AJ 6,549,800 Atalar et al. 6,593,884 7/15/2003 Gilboa et al. 342 448 1/21/2000 ΑK 2/1/01 ΑL 6,606,513 8/12/2003 Lardo et al. 600 411 6,628,980 9/30/2003 600 423 3/26/01 AM Atalar et al. 10/14/03 607 129 6/5/00 AN 6,633,780 Berger et al. 410 11/3/2000 ΑO 6,654,628 11/25/03 Silber et al. 600 ΑP 6,675,033 1/6/04 Lardo et al. 600 410 3/24/00 ΑQ 6,701,176 3/2/2004 Halperin et al. 600 411 10/29/1999 12/11/00 AR 20020097050 7/25/02 Kellman et al. 324 309 423 4/2/01 20020040185 4/4/02 600 AS Atalar et al. 600 -423 7/12/2001 ΑT 20020055678 5/09/2002 Scott et al. ΑU 20020095197 7/18/02 Lardo et al. 607 89 7/11/01 20020095197 07/18/02 Lardo et al. .607 89 07/11/01 307 4/3/01 ΑW 20020167315 11/14/02 Kellman et al. 324 116 11/20/01 20020161421 10/31/02 607 Lee et al. DATE CONSIDERED

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	BC 20030050557 3/13/2		3/2003 Susil et al.		600	424	4/15/2002				
		BD 20030199755 10/23/20		003 Halperin et al.		600	411	4/28/2003			
		BE	20040024434	2/5/04		Yang et al.	607	96	4/1/03		
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